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223. (Amended) A photographic emulsion paper [suitable] for exposing and developing to produce an image thereon, characterized by an auxiliary information signal encoded therein, said signal being encoded as a patterned physical characteristic coextensive with said paper, wherein said characteristic results in a substantially human-imperceptible optical patterning of said paper after said paper is developed.

224. (Amended) A photographic emulsion paper [suitable] for exposing and developing to produce an image thereon, characterized by an auxiliary information signal encoded therein, said signal being encoded as a patterned physical characteristic coextensive with said paper, wherein the auxiliary information signal is a copy control signal.

225. (Amended) A blank photographic [emulsion] paper having an emulsion coating thereon suitable for exposing and developing to produce an image thereon, characterized by a binary data signal encoded in [a] said emulsion coating [thereon].

226. (Amended) The paper of claim 30 in which said chemical characteristic varies due to [a low level] an optical exposure of said coating.

227. (Amended) A method of processing a blank photographic paper during manufacture and prior to exposure by an end user thereof, comprising:
generating a pattern having an auxiliary information signal steganographically encoded therein; and
encoding said paper in accordance with said pattern, said encoding not impairing subsequent use of the paper by said end user.

228. (Amended) The method of claim 37 in which said processing comprises exposing an emulsion coating on said paper with an optical representation of said pattern at a [low] predetermined exposure level.

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51. (Amended) A method of producing a [card- or paper-like] photographic emulsion article having an auxiliary information signal encoded therewith, comprising:

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- (a) providing a substrate;
 - (b) applying a layer of material over said substrate;
 - (c) processing said layer of material to form a pattern therein, said pattern being coextensive with the article, said pattern having an auxiliary information signal steganographically encoded therein; and
 - (d) thereafter, processing said article to carry human-perceptible information thereon.

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62. (Amended) In a photo-duplication kiosk including a lens for imaging a customer-provided photograph onto an opto-electronic detector for producing image data, and a print-writing device for producing a print in accordance with said image data [gathered by said detector], an improvement comprising:

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- a memory for receiving said data from the opto-electronic detector; and
 - a processor for processing said data in the memory to detect the presence of a copy control signal steganographically encoded therein, and for interrupting a usual print-making process of said print-writing device in response thereto.

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63. (Amended) In a photo-duplication kiosk including a lens for imaging a customer-provided photograph onto an opto-electronic detector for producing image data, and a print-writing device for producing a print in accordance with said image data [gathered by said detector], an improved method of operation including:

- analyzing [the] said image data to discern a control signal steganographically embedded therein; and
- interrupting a usual print-making process of said print-writing device in response to said control signal.